

Ultrasonic Testing Level 1 - Course content

- Ultrasonic testing terminology
- Basic ultrasonic concepts
- Ultrasound
- Principles of ultrasonic testing
- Flaw detector (operation and use)
- Defect location and sizing techniques
- Use of calibration and reference blocks
- Plotting systems
- Application of a written instruction
- Examination of samples, welds, castings and wrought products
- Report writing and discussion of relevant standards and specifications (BS EN etc.)

Training and experience hours required for Certification

Full PCN certification is only achieved once the required experience is acquired following the completion of the required training hours and passing of the examination:

Ultrasonic Testing (Welds)

Level 1 – 40 training hours and 3 months experience

Responsibilities of an Ultrasonic Testing Level 1 certified NDT professional:

An individual certified to Ultrasonic Testing Level 1 has demonstrated competence to carry out Ultrasonic Testing according to written instructions and under the supervision of Level 2 or Level 3 personnel. Within the scope of the competence defined on the certificate, Level 1 personnel may be authorised by the employer to perform the following in accordance with Ultrasonic Testing instructions:

- Set up Ultrasonic Testing equipment
- Perform Ultrasonic Inspection tests
- Record and classify results of the tests according to written criteria
- Report the results of Ultrasonic tests

Ultrasonic Testing Level 1 certified personnel shall neither be responsible for the choice of test method or technique to be used, nor for the interpretation of the test results.